

**Tetra Tech, Inc.**

4213 State Street, Suite 100  
 Santa Barbara, CA 93110-2847  
 VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base**Log of Well No. **8-MW-18**

Location: Approximately 53 feet north of Building 715 northern entrance,  
 and 27 feet from Building 715 north-east corner, SLC-4E.

Date Started: 9/25/02 Completed: 9/26/02

 Logged By: Dave Fenity Checked By: David Springer,  
 R.G. # 6962 *DS 6/24/03*
Drilled By: Ramon Zepeda, BC<sup>2</sup> Environmental Corp.

Drilling Equipment: CME 95 HSA, 6" and 8" I.D.

Sampling Equipment: 2-inch I.D. Split Spoon/Encore

GS Elev.: 484.36 ft above MSL TD: 130 ft bgs

4" PVC Blank Casing: from 0 ft bgs to 120 ft bgs

0.010" Screening Casing: from 120 ft bgs to 130 ft bgs

Bentonite/Cement Grout: from 3 ft bgs to 111 ft bgs

Bentonite Transitional Seal: from 111 ft bgs to 116 ft bgs

Sand Filter Pack: from 116 ft bgs to 130 ft bgs

TOC Elev.: 484.03 ft above MSL

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
	concrete.						100	0/0	9/25/02 0845 hrs begin drilling
5	<u>Sand</u> , strong brown (7.5YR 5/6), fine grained, rounded, slightly moist, Orcutt Sand.		SP				100	0/0	
10	fine to medium grained, rounded to subrounded, moist, medium density.					7 12 14	100	0/0	
15	yellowish brown (10YR 5/6), subrounded to subangular.					9 11 17	100	0/0	
20						11 17	100	0/0	

126 ft bgs ▾ Groundwater depth during drilling

126.20 ft btoc ▾ Groundwater depth after well development on:

10/11/02

TC Number: K963-06

TETRA TECH, INC.

Page 1 of 6



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20	<u>Sand</u> , yellowish brown (10YR 5/6), fine to medium grained, rounded to subrounded, poorly graded, moist, medium density, trace silt, Orcutt Sand.		SP			21			
25	brownish yellow (10YR 6/6), rounded.					15 20 25	100	0/0	
30						16 20 20	100	0/0	
35	olive yellow (2.5Y 6/6), medium grained, slightly moist.					18 21 25	100	0/0	
40	fine to medium grained.					25 50	100	0/0	
45						22 23	100	0/0	

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45	<u>Sand</u> , olive yellow (2.5Y 6/6), fine to medium grained, rounded to subrounded, poorly graded, slightly moist, medium density, trace silt, Orcutt Sand.		SP			50			
50	yellowish brown (10YR 5/6).					27 50	100	0/0	
55						21 23 31	100	0/0	
60	<u>Sand</u> , light yellowish brown (10YR 6/4), fine to medium grained, rounded to subrounded, slightly moist.					32 50	100	0/0	
65	dark yellowish brown (10YR 4/4), rounded, trace silt, moist.					26 50	100	0/0	
70						9 12	100	0/0	



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70	<u>Sand</u> , yellow (10YR 7/6), medium grained, subrounded, poorly graded, slightly moist, trace silt, Orcutt Sand.		SP			15			
75						10 13 19	100	0/0	
						22 50	100	0/0	
	light yellowish brown (2.5Y 6/4), fine to medium grained, rounded.					27 50	100	0/0	
80	light yellowish brown (10YR 6/4).					29 50	100	0/0	
						31 50	100	0/0	
						32 50	100	0/0	
85	medium grained.					27 50	100	0/0	
	<u>Sand</u> , light yellowish brown (10YR 6/4), fine to medium grained, rounded, well graded, slightly moist, trace silt, Orcutt Sand.		SW			26 50	100	0/0	
						35 50 50	100	0/0	
90						28 50	100	0/0	
	brown (10YR 5/3), trace clay.					29 50	100	0/0	
95						33	100	0/0	



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95	<u>Sand</u> , yellowish brown (10YR 5/6), fine to medium grained, rounded, well graded, slightly moist, trace clay, Orcutt Sand.		SW			50			
						37	100	0/0	
						50			
	yellowish brown (10YR 5/4).					26	100	0/0	
						50			
						29	100	0/0	
						50			
100	trace silt, moist.					50			
						17	100	0/0	
	yellowish brown (10YR 5/6).					24			
						50			
						15	100	0/0	
						30			
						35			
						24	100	0/0	
						36			
105						50			
	fine grained, very moist.					27	100	0/0	
						50			
						25	100	0/0	
						50			
						22	100	0/0	
						26			
						50			
110	fine to medium grained, few silt.					17	100	0/0	
						22			
						36			
						18	100	0/0	
						21			
						31			
	<u>Sand</u> , dark yellowish brown (10YR 4/4), fine to medium grained, rounded to subrounded, poorly graded, very moist, trace clay, trace silt, trace coarse sand, Orcutt Sand.		SP			29	100	0/0	
115						50			
						26	100	0/0	
						50			
	dark yellowish brown (10YR 4/6), rounded, slightly wet.					28	100	0/0	
						50			
						50	100	0/0	
120						50			

9/25/02  
1230 hours  
soil sample  
collected,  
V8MWN-98

9/25/02  
1245 hours collect  
physical  
parameters soil  
sample,  
V8MWNH-108



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120	<u>Sand</u> , dark yellowish brown (10YR 4/6), fine to medium grained very moist, trace clay, trace silt, trace coarse sand, Orcutt Sand.		SP			29	100	0/0	9/25/02 1245 hours, soil sample collected, V8MWN-121
						50			
						31	100	0/0	
						50			
	trace gravel, subangular.					27	100	0/0	
						50			
			CH			28	100	0/0	
						50			
125						14	100	0/0	
						17			
						24			
	<u>fat Clay</u> , light yellowish brown (2.5YR 6/3), plastic, stiff, slightly moist to moist					75	33	0/0	
130									9/25/02 1255 hours End drilling, total depth 130 ft bgs
135									
140									
145									